

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2016 Levee Inspection Results****Sacramento Maintenance Yard West Levee Yolo Bypass**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2016 - 3/29/2016			
DWR Inspector	Jai Lor			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0011_01_s_2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start	0.02	Rating **	M	Issue No.	9
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758940 °	38.724229 °
				-121.667306 °	-121.665136 °
DWR ID	DWR_ST0011_01_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0011_291_9_20160401_00009.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.02	Rating **	M	Issue No.	10
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758940 °	38.724229 °
				-121.667306 °	-121.665136 °
DWR ID	DWR_ST0011_01_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.29	Rating **	C	Issue No.	13
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.756590 °	38.756590 °
				-121.664171 °	-121.664171 °
DWR ID	DWR_ST0011_01_f_2015_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Issue has been corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start	0.36	Rating **	C	Issue No.	1
LM End	0.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.755535 °	38.754512 °
				-121.664127 °	-121.663907 °
DWR ID	DWR_ST0011_01_s_2012_1				
Comment Code					
DT : Ditch					
Inspector Comment					
Issue has been corrected. Ditch has been removed.					

No Photos

LM Start	0.92	Rating **	C	Issue No.	11
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.748138 °	38.738315 °
				-121.660260 °	-121.660297 °
DWR ID	DWR_ST0011_01_s_2015_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Issue has been corrected.					

No Photos

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.747888 °	38.734972 °
				-121.660202 °	-121.660265 °
DWR ID	DWR_ST0011_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2016_ST0011_291_8_20160304_00006.jpg



View of the ditch on the landward side of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start	1.46	Rating **	M	Issue No.	14
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.740310 °	38.732345 °
				-121.660274 °	-121.660286 °
DWR ID	DWR_ST0011_01_s_2016_14				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

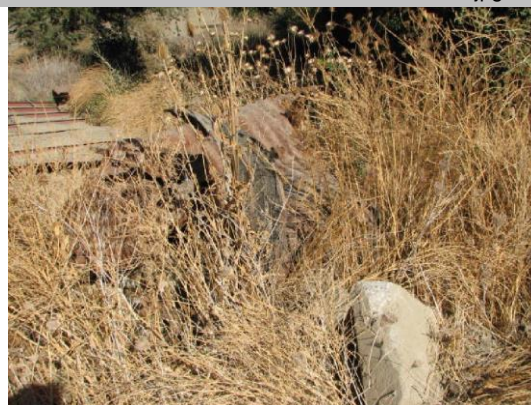
Photo 1 of 1 : SP_2016_ST0011_291_14_20160401_00010.jpg



View of the crown of the levee looking downstream. Spring 2016.

LM Start	1.85	Rating **	M	Issue No.	15
LM End	1.85	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.734568 °	38.734568 °
				-121.660264 °	-121.660264 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46746					
DS_ID:17744					
EP_NO: 10284					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Found abandoned 42-inch CM pipe on LS berm of the levee. This was abandoned by farmer, how Unknown. need to have verified if removed or concreted					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through levee 25.0 feet below crown. Slide gate on waterward end. (ABO No. 10284 - Hershey).					
O&M manual 127, Revision Year 2011					
FS Date: 10/6/2015 2:32:21 PM					

Photo 1 of 2 : UCIP_SP_2016_46746_60276.jpg



Landside view: an abandoned CM pipe on LS berm of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start	1.85	Rating **	M	Issue No.	15 (cont)
LM End	1.85	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.734568 °	38.734568 °
				-121.660264 °	-121.660264 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46746					
DS_ID:17744					
EP_NO: 10284					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Found abandoned 42-inch CM pipe on LS berm of the levee. This was abandoned by farmer, how Unknown. need to have verified if removed or concreted					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through levee 25.0 feet below crown. Slide gate on waterward end. (ABO No. 10284 - Hershey).					
O&M manual 127, Revision Year 2011					
FS Date: 10/6/2015 2:32:21 PM					

Photo 2 of 2 : UCIP_SP_2016_46746_60275.jpg



Landside view: an abandoned CM pipe on LS berm of the levee.

LM Start	2.53	Rating **	M	Issue No.	2
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.725505 °	38.724385 °
				-121.662041 °	-121.664564 °
DWR ID	DWR_ST0011_01_s_2016_2				
Comment Code					
Inspector Comment					
2006 - Slow wave wash and general fluvial erosion of the toe area under river cobbles. Erosion is creating a scarp and cobble covered wave-cut bench. 2011 - Site appears better than it looked in 2006, but still eroding. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-6_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	03/29/2016 03/29/2016	Jai Lor

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724853 °	38.724228 °
				-121.663647 °	-121.665137 °
DWR ID	DWR_ST0011_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2016_ST0011_291_4_20160401_00011.jpg



View of the ditch at the toe of the levee on the landward side. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2016 - 3/29/2016			
DWR Inspector	Jai Lor			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	03/29/2016 03/29/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	2
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.719061 °	38.698695 °
				-121.664106 °	-121.674114 °
DWR ID	DWR_ST0011_02_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0011_292_2_20160401_00006.jpg



View of the vegetation on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.00	Rating **	M	Issue No.	4
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.719061 °	38.698695 °
				-121.664106 °	-121.674114 °
DWR ID	DWR_ST0011_02_s_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	03/29/2016 03/29/2016	Jai Lor

LM Start	0.47	Rating **	M	Issue No.	3
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.712813 °	38.706018 °
				-121.667349 °	-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0011_292_3_20160304_00001.jpg



View of the ditch at the landward side of the levee looking downstream. Fall 2015.

LM Start	0.98	Rating **	U	Issue No.	6
LM End	0.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.705952 °	38.705952 °
				-121.670875 °	-121.670875 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46742 DS_ID:17749 EP_NO: 10288 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sloughing at pipe day light on WS slope. A 8-inch pipe was not visible during field survey. Air vent leaking water when pump activated causing erosion around pipe on slope. summer of 2013 repaired sloughing around pipe air vent still leaking FIELD_STRUCT_DESC: 24 inch pipe through levee 5.2 feet below crown; a 8-inch pipe sleeved through the 24-inch pipe with the annular space grouted, a pump in a pumphouse at the toe of the landward slope, and a siphon breaker on the waterside slope. (ABO No. 10288 - Cache Creek Ranch). FS Date: 10/6/2015 2:30:10 PM					

Photo 1 of 2 : UCIP_SP_2016_46742_60280.jpg



Waterside view: overview of pipe and water channel

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	03/29/2016 03/29/2016	Jai Lor

LM Start	0.98	Rating **	U	Issue No.	6 (cont)	
LM End	0.98	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.705952 °		38.705952 °
				-121.670875 °		-121.670875 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46742 DS_ID:17749 EP_NO: 10288 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sloughing at pipe day light on WS slope. A 8-inch pipe was not visible during field survey. Air vent leaking water when pump activated causing erosion around pipe on slope. summer of 2013 repaired sloughing around pipe air vent still leaking FIELD_STRUCT_DESC: 24 inch pipe through levee 5.2 feet below crown; a 8-inch pipe sleeved through the 24-inch pipe with the annular space grouted, a pump in a pumphouse at the toe of the landward slope, and a siphon breaker on the waterside slope. (ABO No. 10288 - Cache Creek Ranch). FS Date: 10/6/2015 2:30:10 PM						

Photo 2 of 2 : UCIP_SP_2016_46742_60279.jpg



Waterside view: pipe and siphon breaker

LM Start	1.15	Rating **	M	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.703681 °	38.699637 °
				-121.672090 °	-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2016_ST0011_292_5_20160304_00002.jpg

View of the ditch on the landward side of the levee looking downstream.
Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2016 - 3/29/2016			
DWR Inspector	Jai Lor			
Accompanied By	Ted Skidgel			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	03/29/2016 03/29/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	1
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698584 °	38.678241 °
				-121.674123 °	-121.672962 °
DWR ID	DWR_ST0011_03_s_2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	2
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698571 °	38.678241 °
				-121.674122 °	-121.672962 °
DWR ID	DWR_ST0011_03_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0011_293_2_20160401_00001.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/2/2016 - 3/2/2016			
DWR Inspector	Jai Lor			
Accompanied By				

Summer & Winter Inspections

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	14
LM End	0.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.574293 °	38.573315 °
				-121.638713 °	-121.638742 °
DWR ID	DWR_ST0011_04_s_2016_14				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Crown needs to be regraded.					

Photo 1 of 1 : SP_2016_ST0011_294_14_20160303_00010.jpg



View of the crown of the levee looking downstream. Spring 2016.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574293 °	38.565303 °
				-121.638713 °	-121.638440 °
DWR ID	DWR_ST0011_04_s_2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation on slopes have been maintained by the LMA.					

Photo 1 of 1 : SP_2016_ST0011_294_12_20160303_00012.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574293 °	38.565303 °
				-121.638713 °	-121.638440 °
DWR ID	DWR_ST0011_04_s_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation on slope has been maintained by LMA.					

Photo 1 of 1 : SP_2016_ST0011_294_13_20160303_00011.jpg



View of the vegetation on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.62	Rating **	M	Issue No.	23
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565489 °	38.565489 °
				-121.638513 °	-121.638513 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44840					
DS_ID:527					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of pipeline and provide markers if appropriate.					
FIELD_STRUCT_DESC: One of two 4.5-inch pipes. Two 4-1/2-inch gas pipeline through levee. (Permit No. 6810 and 7230 - Getty Oil Co.). The pipe depth is 3.0 ft. below the crown.					
FS Date: 4/28/2015 3:04:20 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.62	Rating **	M	Issue No.	24
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565473 °	38.565473 °
				-121.638505 °	-121.638505 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44841					
DS_ID:17741					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of crossing and install signs if it is appropriate to do so.					
FIELD_STRUCT_DESC: Two of two 4.5-inch pipes. Two 4-1/2-inch gas pipeline through levee. (Permit No. 6810 and 7230 - Getty Oil Co.). The pipe depth is 3.0 ft. below the crown.					
FS Date: 4/28/2015 3:04:32 PM					

No Photos

LM Start	0.63	Rating **	M	Issue No.	15
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565303 °	38.563922 °
				-121.638440 °	-121.638357 °
DWR ID	DWR_ST0011_04_s_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.64	Rating **	M	Issue No.	16
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565155 °	38.563922 °
				-121.638368 °	-121.638357 °
DWR ID	DWR_ST0011_04_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.78	Rating **	M	Issue No.	2
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.563163 °	38.563163 °
				-121.637994 °	-121.637994 °
DWR ID	DWR_ST0011_04_s_2015_2				
Comment Code					
Inspector Comment					
There seems to be obstructions that prevents the gate from fully closing. Remove debris from flap gate.					

LM Start	0.78	Rating **	M	Issue No.	2 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_ST0011_294_2_20160302_00001.jpg



View of the flap gate in the ditch on the water side of the levee. There seems to be debris preventing the flap gate from closing. Spring 2015.

Photo 2 of 2 : SP_2016_ST0011_294_2_20160302_00002.jpg



View of a perspective on the pipe looking upstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.91	Rating **	M	Issue No.	6
LM End	1.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561233 °	38.559502 °
				-121.638182 °	-121.637810 °
DWR ID	DWR_ST0011_04_s_2015_6				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2016_ST0011_294_6_20160302_00009.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.92	Rating **	M	Issue No.	17
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561138 °	38.559945 °
				-121.638158 °	-121.637975 °
DWR ID	DWR_ST0011_04_s_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.92	Rating **	M	Issue No.	18
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561138 °	38.552513 °
				-121.638158 °	-121.631672 °
DWR ID	DWR_ST0011_04_s_2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.99	Rating **	M	Issue No.	25
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560139 °	38.560139 °
				-121.638007 °	-121.638007 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44842					
DS_ID:530					
EP_NO: 6844					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of crossing and add markers if it is appropriate to do so.					
FIELD_STRUCT_DESC: One of three gas pipes. Three 3-inch gas pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic Oil Company).					
FS Date: 4/28/2015 3:04:44 PM					

No Photos

LM Start	0.99	Rating **	M	Issue No.	26
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560128 °	38.560128 °
				-121.638004 °	-121.638004 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44843 DS_ID:17739 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: Two of three gas pipes. Three 3-inch gas pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic Oil Company). FS Date: 4/28/2015 3:04:58 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	0.99	Rating **	M	Issue No.	27
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560117 °	38.560117 °
				-121.638001 °	-121.638001 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44844 DS_ID:17740 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: Three of three gas pipes. Three 3-inch gas pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic Oil Company). FS Date: 4/28/2015 3:05:16 PM					

No Photos

LM Start	1.55	Rating **	M	Issue No.	19
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.553293 °	38.552082 °
				-121.632340 °	-121.631403 °
DWR ID	DWR_ST0011_04_s_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	1.57	Rating **	M	Issue No.	20
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.553105 °	38.553105 °
				-121.632170 °	-121.632170 °
DWR ID	DWR_ST0011_04_s_2016_20				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0011_294_20_20160303_00013.jpg



View of the crack on the waterward shoulder of the levee looking downstream. Spring 2016.

LM Start	1.77	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.550387 °	38.536958 °
				-121.631257 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2016_ST0011_294_3_20160302_00004.jpg



View of the ditch along the levee toe on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	2.23	Rating **	M	Issue No.	21
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.543645 °	38.543645 °
				-121.631199 °	-121.631199 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44838 DS_ID:532 EP_NO: 13135 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add markers if its appropriate to do so. FIELD_STRUCT_DESC: 2-inch diameter steel natural gas pipeline through the levee, 4 feet below the crown. (Permit No. 13135 - P. G. & E.) FS Date: 4/28/2015 3:03:13 PM					

No Photos

LM Start	2.50	Rating **	M	Issue No.	22
LM End	2.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.539852 °	38.539852 °
				-121.631247 °	-121.631247 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44839 DS_ID:584 EP_NO: 13350 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if its appropriate to do so. FIELD_STRUCT_DESC: To install a 2-inch steel gas pipeline 4.0 ft. below the crown through the levee. Permit No. 13350. FS Date: 4/28/2015 3:03:26 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	03/02/2016 03/02/2016	Jai Lor

LM Start	2.75	Rating **	M	Issue No.	4
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.536100 °	38.523807 °
				-121.631425 °	-121.631535 °
DWR ID	DWR_ST0011_04_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the levee toe on the landward side of the levee.					

LM Start	2.75	Rating **	M	Issue No.	4 (cont)
LM End	3.60	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2016_ST0011_294_4_20160302_00007.jpg



The ditch is at the levee toe on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : SP_2016_ST0011_294_4_20160302_00008.jpg



Looking west at the agricultural ditch. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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